


STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER North Duck Creek 364-34							
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT NATURAL BUTTES							
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME							
6. NAME OF OPERATOR EOG Resources, Inc.						7. OPERATOR PHONE 435 781-9111							
8. ADDRESS OF OPERATOR 600 17th Street, Suite 1000 N, Denver, CO, 80202						9. OPERATOR E-MAIL kaylene_gardner@eogresources.com							
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU9613			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>							
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')							
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')							
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') UTE INDIAN TRIBE			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>							
20. LOCATION OF WELL		FOOTAGES		QTR-QTR		SECTION		TOWNSHIP		RANGE		MERIDIAN	
LOCATION AT SURFACE		539 FNL 2160 FWL		NENW		34		8.0 S		21.0 E		S	
Top of Uppermost Producing Zone		539 FNL 2160 FWL		NENW		34		8.0 S		21.0 E		S	
At Total Depth		539 FNL 2160 FWL		NENW		34		8.0 S		21.0 E		S	
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 539			23. NUMBER OF ACRES IN DRILLING UNIT 1920							
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1000			26. PROPOSED DEPTH MD: 11150 TVD: 11150							
27. ELEVATION - GROUND LEVEL 4786			28. BOND NUMBER NM2308			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Water Right # 49-225 (A31368)							
Hole, Casing, and Cement Information													
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight			
Surf	12.25	9.625	0 - 3050	36.0	J-55 ST&C	10.5	Type III	195	4.1	10.5			
							Type V	135	1.18	15.6			
Prod	7.875	4.5	0 - 11150	11.6	P-110 LT&C	10.5	Type III	195	4.1	10.5			
							Type V	135	1.18	15.6			
ATTACHMENTS													
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES													
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN							
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER							
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP							
NAME Kaylene Gardner			TITLE Regulatory Administrator			PHONE 435 781-9111							
SIGNATURE			DATE 11/04/2011			EMAIL kaylene_gardner@eogresources.com							
API NUMBER ASSIGNED 43047521790000			APPROVAL <div style="text-align: center;">  Permit Manager </div>										

RECEIVED: November 21, 2011

DRILLING PLAN

NORTH DUCK CREEK 364-34
NE/NW, SEC. 34, T8S, R21E, S.L.B.&M..
UINTAH COUNTY, UTAH

1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:

FORMATION	TVD-RKB (ft)	Objective	Lithology	
Green River	2,195		Shale	
Birdsnest Zone	2,480		Dolomite	
Mahogany Oil Shale Bed	3,100		Shale	
Wasatch	5,665	Primary	Sandstone	Gas
Chapita Wells	6,307	Primary	Sandstone	Gas
Buck Canyon	6,995	Primary	Sandstone	Gas
North Horn	7,598	Primary	Sandstone	Gas
KMV Price River	8,936	Primary	Sandstone	Gas
KMV Price River Middle	9,653	Primary	Sandstone	Gas
KMV Price River Lower	10,458	Primary	Sandstone	Gas
Sego	10,939	Secondary	Sandstone	Gas
TD	11,150			

Estimated TD: 11,150' or 200'± below TD**Anticipated BHP: 6,088 psi**

1. Fresh Waters may exist in the upper, approximately 1,000 ft ± of the Green River Formation, with top at about 2,195 ft ±.
2. Cement to be installed to surface of the well isolating all zones.

3. PRESSURE CONTROL EQUIPMENT:

Intermediate/Production Hole – 5000 psi
 BOP schematic diagrams attached.

4. CASING PROGRAM:**All casing will be new or inspected.****Note:**

- **12-1/4" surface hole will be drilled to a total depth of 200'± below the base of the Green River lost circulation zone and cased with 9-5/8" casing to that depth as detailed below. Drilled depth may be shallower or deeper than the 3050' shown below, depending on the actual depth of the loss zone.**
- **Below the 9 5/8" surface casing EOG will drill an 8.75" hole to ± 7500'. At this point, EOG will determine whether wellbore conditions encountered (sloughing/swelling shales, key seat development, and lost circulation) will warrant running a 7" intermediate casing string to this depth in order to reach the proposed TD for the well. Determination to run intermediate casing will be made by the EOG Resources Drilling Engineer, Drilling Superintendent, and Drilling Manager. In the event that intermediate casing is run, all regulatory agencies will be properly notified. If intermediate casing is run, EOG Resources will properly cement the 7" casing, then drill the remaining production hole below it to TD with a 6.25" bit and run and cement 4 1/2" production casing at TD. If intermediate casing is not needed, EOG will remove the 8.75" bit at ± 7500' and drill the remainder of the production hole with a 7.875" bit to TD, then run and cement 4 1/2" production casing at TD. Casing string and cementing details for these options are shown in the Casing Program and Cement Program sections below.**

DRILLING PLAN

NORTH DUCK CREEK 364-34
NE/NW, SEC. 34, T8S, R21E, S.L.B.&M..
UINTAH COUNTY, UTAH

4. CASING PROGRAM (cont'd):

If Intermediate Casing string is required, casing program will be as follows:

<u>Casing</u>	<u>Hole Size</u>	<u>Length</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>	<u>Collapse Rating</u>	<u>Burst Rating</u>	<u>Tensile Rating</u>
Conductor	20"	0 – 60'	14"	48.0#	H-40	STC	770 psi	1,730 psi	322,000#
Surface	12.25"	0 – 3050' KB±	9.625"	36.0#	J-55	STC	2,020 psi	3,520 psi	394,000#
Intermediate	8.75"	0 - 7500' KB±	7"	23.0#	HC N-80	LTC	5,650 psi	6,340 psi	485,000#
Production	6.25"	Surface – TD	4.5"	11.6#	P-110	LTC	7,560 psi	10,690 psi	279,000#

If Intermediate Casing string is not run, casing program will be as follows:

<u>Casing</u>	<u>Hole Size</u>	<u>Length</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>	<u>Collapse Rating</u>	<u>Burst Rating</u>	<u>Tensile Rating</u>
Conductor	20"	0 – 60'	14"	48.0#	H-40	STC	770 psi	1,730 psi	322,000#
Surface	12.25"	0 – 3050' KB±	9.625"	36.0#	J-55	STC	2,020 psi	3,520 psi	394,000#
Production	8.75" / 7.875"	Surface – TD	4.5"	11.6#	P-110	LTC	7,560 psi	10,690 psi	279,000#

5. FLOAT EQUIPMENT:**Surface Casing (0' - 3050'±)**

Guide Shoe

Insert Float Collar

Centralizers: 1 in middle of shoe joint, then top of every joint for next 7 joints. (8 total)

Intermediate Casing (0' - 7500'±) (If Run)

Float shoe, 1 joint of casing, float collar and balance of casing to surface. Conventional bow-spring centralizer to be placed 5' above shoe on joint #1 and on top of joints #2 & #3, then every 5th joint to 400' above the top of the Wasatch. Thread lock float shoe, top and bottom of float collar, and top of 2nd joint.

Production Casing (0' - TD):

Float shoe, 1 joint of casing, float collar and balance of casing to surface. 4-½", 11.6#, P-110 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. 1 turbulizer to be placed 5' above shoe on joint #1 and on the middle of joints #2 & #3. Conventional bow-spring centralizer on top of joint #4, then every 3rd joint to 400' above the top of primary objective. Thread lock float shoe, top and bottom of float collar, and top of 2nd joint.

DRILLING PLAN

NORTH DUCK CREEK 364-34
NE/NW, SEC. 34, T8S, R21E, S.L.B.&M..
UINTAH COUNTY, UTAH

6. MUD PROGRAM:

Surface Hole (Surface - 3050'±):

Air/Air mist/Aerated water* (*A standby water source will be available at all times to act as a kill medium when conducting air drilling operations)

or

A closed-loop system utilizing a gelled bentonite mud will be employed.
LCM sweeps, additions, etc. will be used as necessary.

Intermediate Hole (3050' - 7500'±):

Anticipated mud weight 9.5 – 10.5 ppg depending on actual wellbore conditions encountered while drilling.

A closed-loop mud system will be utilized. A bentonite gelled water mud system will be used to control viscosity w/PHPA polymer used for supplemental viscosity and clay encapsulation/inhibition.

Production Hole (7500'± - TD):

Anticipated mud weight 9.5 – 10.5 ppg depending on actual wellbore conditions encountered while drilling.

A closed mud system will be utilized. A bentonite gelled water mud system will be used to control viscosity w/PHPA polymer used for supplemental viscosity and clay encapsulation/inhibition. Water loss will be maintained at <15cc's using white starch or PAC. Bactericides will be used as needed. Anticipated pH will range from 9.0-10.0. Mud weight will be adjusted as necessary for well control. Defloculants/thinners will be used as necessary to maintain mud quality. LCM sweeps will be utilized as necessary to control lost circulation and mud loss. CO2 contamination, if encountered, will be treated with lime and gypsum

7. VARIANCE REQUESTS:

Reference: Onshore Oil and Gas Order No. 1
Onshore Oil and Gas Order No. 2 – Section E: Special Drilling Operations

- EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line to be 100' in length. (Where possible, a straight run blooie line will be used).
- EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be approximately 75' in length.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring dedusting equipment. Dust during air drilling operations is controlled by water mist.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring an automatic igniter or continuous pilot light on the blooie line. (Not required on aerated water system).
- EOG Resources, Inc. requests a variance that compressors are located in the opposite direction from the blooie line a minimum of 100 feet from the well bore. (Air Compressors are rig mounted).

8. EVALUATION PROGRAM:

Cased-hole Logs:

Cased-hole logs will be run in lieu of open-hole logs consisting of the following:
Cement Bond / Casing Collar Locator and Pulsed Neutron

DRILLING PLAN**NORTH DUCK CREEK 364-34**
NE/NW, SEC. 34, T8S, R21E, S.L.B.&M..
UINTAH COUNTY, UTAH**9. CEMENT PROGRAM:****Surface Casing (Surface - 3050'±):**

Lead: Lead volume to be calculated to bring cement from 500' above casing shoe to surface. Lead cement will be:

195 sx. HES VariCem (Type III) + 2% Cal-Seal (Thixotropic Additive) + 0.3% Versaset (Thixotropic Additive) + 2% Econolite (Light Weight Additive), mixed at 10.5 ppg, 4.10 cfps, 26.88 gps fresh water

Tail: Tail volume to be calculated to bring cement 500' above casing shoe. Tail cement will be:

135 sx. HES HalCem (Type V) + 2% CaCl₂ (Accelerator), mixed at 15.6 ppg, 1.18 cfps, 5.05 gps fresh water

Top Out: As necessary with:

HES HalCem (Type V) + 2% CaCl₂ (Accelerator), mixed at 15.6 ppg, 1.18 cfps, 5.05 gps fresh water

Note: The above number of sacks are calculated based on gauge hole. Final field cement volumes will be based on gauge hole + 70% excess on the lead slurry and gauge hole + 100% excess on the tail slurry.

Intermediate Casing (3050'± - 7500'±) (If Run)

Lead: Lead volume to be calculated to bring cement from 400' above top of Wasatch Formation to 200'± above 9 5/8" surface casing shoe. For improved mud displacement, lead slurry weight will be a minimum of 0.5 ppg over mud weight utilized at intermediate casing point and vary from 11.0 – 13.0 ppg.

If lead slurry weight required is 11.0 ppg – 12.5 ppg, cement will be:

HES Highbond 75 (75/25 Poz/G) + 6% Bentonite (Extender) + 0.3% Versaset (Thixotropic Additive) + 2% Microbond (Expansion Additive)

Calculated sacks with corresponding mixed slurry weights, yields and water requirements for above cement will be as follows:

- **145 sx. if 11.0 ppg, 2.52 cfps, 14.96 gps fresh water**
- **175 sx. if 11.5 ppg, 2.12 cfps, 11.98 gps fresh water**
- **200 sx. if 12.0 ppg, 1.83 cfps, 9.82 gps fresh water**
- **225 sx. if 12.5 ppg, 1.61 cfps, 8.17 gps fresh water**

If lead slurry weight required is 13.0 ppg, cement will be:

225 sx. HES ExtendaCem (50/50 Poz/G) + 0.125 pps Pol-E-Flake (Lost Circulation Additive), mixed at 13.0 ppg, 1.63 cfps, 8.16 gps fresh water

Tail: Tail volume to be calculated to bring cement from 7500'± to 400' above top of Wasatch Formation. Tail cement will be:

230 sx. HES ExtendaCem (50/50 Poz/G) + 0.125 pps Pol-E-Flake (Lost Circulation Additive), mixed at 13.5 ppg, 1.47 cfps, 6.98 gps fresh water

Note: Above number of sacks in all cases are calculated based on gauge hole. Final field cement volumes will be based on gauge hole + 50% excess on lead slurry, gauge hole + 70% excess on the tail slurry.

DRILLING PLAN

NORTH DUCK CREEK 364-34
NE/NW, SEC. 34, T8S, R21E, S.L.B.&M..
UINTAH COUNTY, UTAH

9. CEMENT PROGRAM (cont'd):

Production Casing (7500'± - TD) (With Intermediate Casing String Run)

Slurry volume to be calculated to bring cement from TD to 400' above top of Wasatch Formation inside the 7" X 4 1/2" casing annulus. Cement will be:

720 sx. HES ExtendaCem (50/50 Poz/G) + 0.125 pps Pol-E-Flake (Lost Circulation Additive), mixed at 13.5 ppg, 1.47 cfps, 6.98 gps fresh water

Note: The above number of sacks are calculated based on gauge hole. Final field cement volumes will be based on gauge hole + 70% excess in the open hole and 0% excess in the 7" X 4 1/2" casing annulus.

Production Casing (3050'± - TD) (Without Intermediate Casing String)

Lead: Lead volume to be calculated to bring cement from 400' above top of Wasatch Formation to 200'± above 9 5/8" surface casing shoe. For improved mud displacement, lead slurry weight will be a minimum of 0.5 ppg over mud weight utilized at well TD and vary from 11.0 – 13.0 ppg.

If lead slurry weight required is 11.0 ppg – 12.5 ppg, cement will be:

HES Highbond 75 (75/25 Poz/G) + 6% Bentonite (Extender) + 0.3% Versaset (Thixotropic Additive) + 2% Microbond (Expansion Additive)

Calculated sacks with corresponding mixed slurry weights, yields and water requirements for above cement will be as follows:

- **295 sx. if 11.0 ppg, 2.52 cfps, 14.96 gps fresh water**
- **350 sx. if 11.5 ppg, 2.12 cfps, 11.98 gps fresh water**
- **405 sx. if 12.0 ppg, 1.83 cfps, 9.82 gps fresh water**
- **465 sx. if 12.5 ppg, 1.61 cfps, 8.17 gps fresh water**

If lead slurry weight required is 13.0 ppg, cement will be:

455 sx. HES ExtendaCem (50/50 Poz/G) + 0.125 pps Pol-E-Flake (Lost Circulation Additive), mixed at 13.0 ppg, 1.63 cfps, 8.16 gps fresh water

Tail: Tail volume to be calculated to bring cement from TD to 400' above top of Wasatch Formation. Tail cement will be:

1035 sx. HES ExtendaCem (50/50 Poz/G) + 0.125 pps Pol-E-Flake (Lost Circulation Additive), mixed at 13.5 ppg, 1.47 cfps, 6.98 gps fresh water

Note: The above number of sacks in all cases are calculated based on gauge hole. Final field cement volumes will be based on gauge hole plus 50% excess on the lead slurry and gauge hole plus 70% excess on the tail slurry.

DRILLING PLAN

NORTH DUCK CREEK 364-34
NE/NW, SEC. 34, T8S, R21E, S.L.B.&M..
UINTAH COUNTY, UTAH

10. ABNORMAL CONDITIONS:

Surface Hole (Surface - 3050'±):

Lost circulation

Intermediate / Production Hole (3050'± - TD):

Sloughing shales, lost circulation and key seat development are possible in the Wasatch Formation.

11. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Upper and Lower Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

12. HAZARDOUS CHEMICALS:

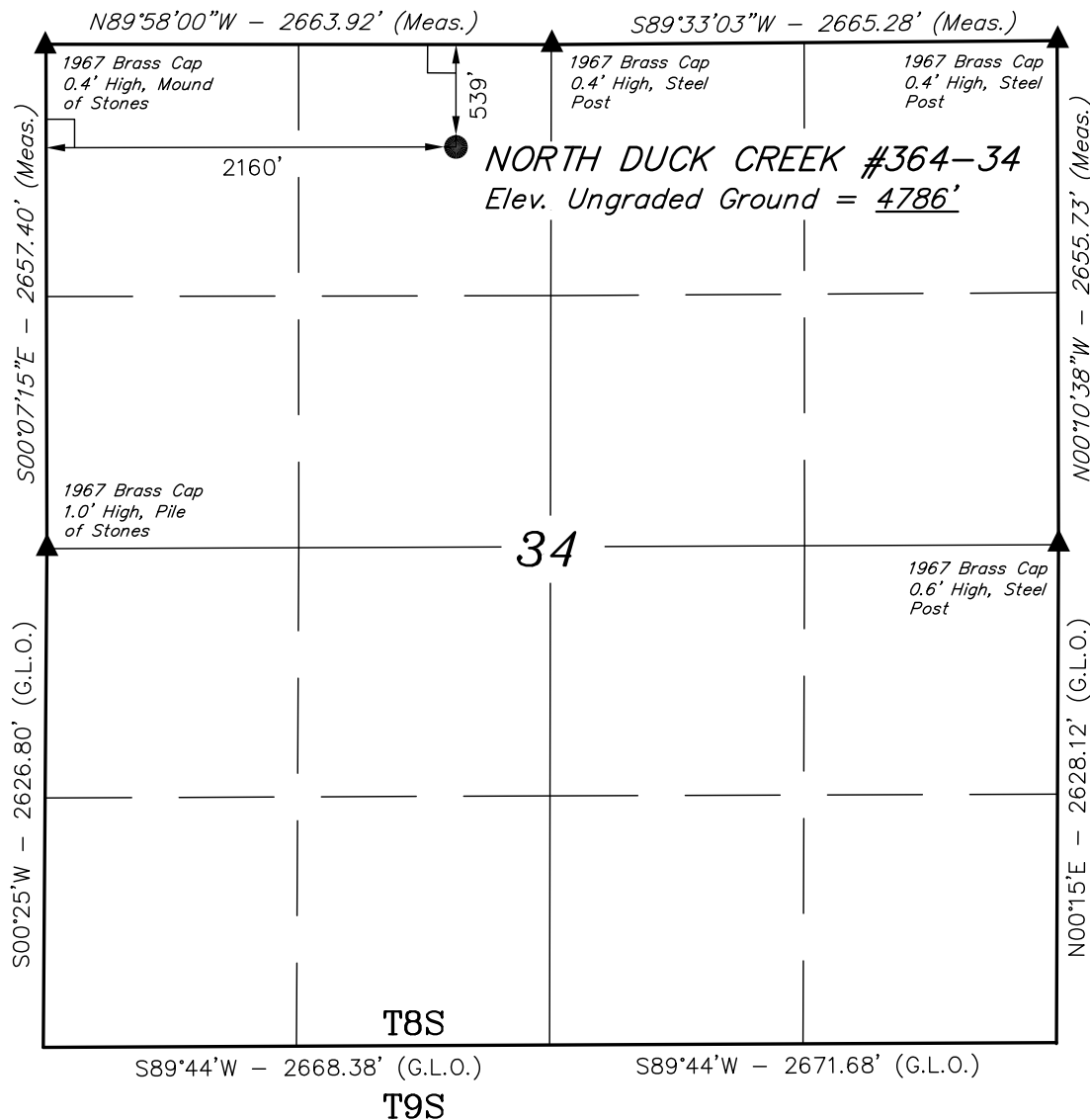
No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

13. Air Drilling Operations:




1. Main Air Compressors are 1250 CFM 350 psi with 2000 psi Boosters and are rig mounted.
2. Secondary Air Compressors are 1170 CFM 350 psi with 2000 psi Boosters and are rig mounted.
3. Minimum setting depth of conductor casing will be 60' GL or 10'± into competent formation, whichever is deeper, as determined by the EOG person in charge. Exceptions must be approved by an EOG drilling superintendent or manager.
4. The diameter of the diverter flow line will be a minimum of 10" to help reduce back pressure on the well bore during uncontrolled flow.
5. Rat and Mouse hole drilling will occur only after surface casing has been set and cemented.
6. EOG Resources, Inc. will use a properly maintained and lubricated stripper head

(Attachment: BOP Schematic Diagram)

T8S, R21E, S.L.B.&M.



LEGEND:

-  = 90° SYMBOL
 = PROPOSED WELL HEAD.
 = SECTION CORNERS LOCATED.

(NAD 83)
LATITUDE = 40°05'07.34" (40.085372)
LONGITUDE = 109°32'29.76" (109.541600)
(NAD 27)
LATITUDE = 40°05'07.47" (40.085408)
LONGITUDE = 109°32'27.28" (109.540911)

EOG RESOURCES, INC.

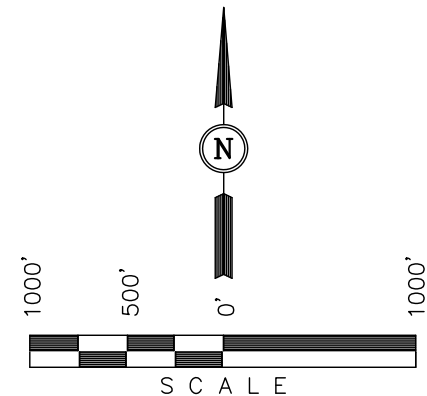
Well location, NORTH DUCK CREEK #364-34,
located as shown in the NE 1/4 NW 1/4 of
Section 34, T8S, R21E, S.L.B.&M., Uintah County,
Utah.

BASIS OF ELEVATION

BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, Uintah County, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

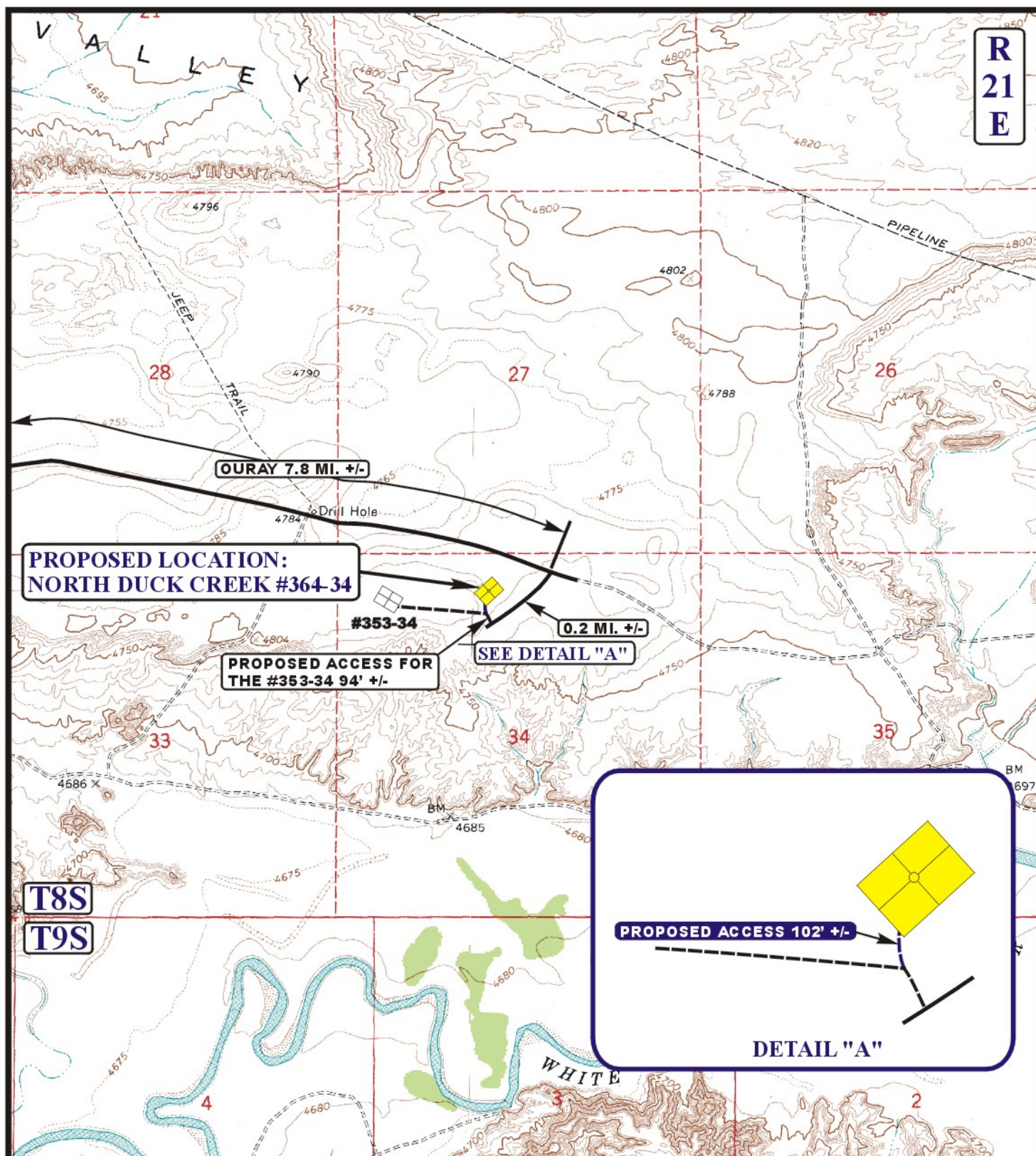
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UTAH ENGINEERING & LAND SURVEYING
 85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 11-29-10	DATE DRAWN: 12-04-10
PARTY G.S. T.H. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE EOG RESOURCES, INC.	

RECEIVED: November 04, 2011



LEGEND:

————— EXISTING ROAD
 - - - - - PROPOSED ACCESS ROAD



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813



EOG RESOURCES, INC.

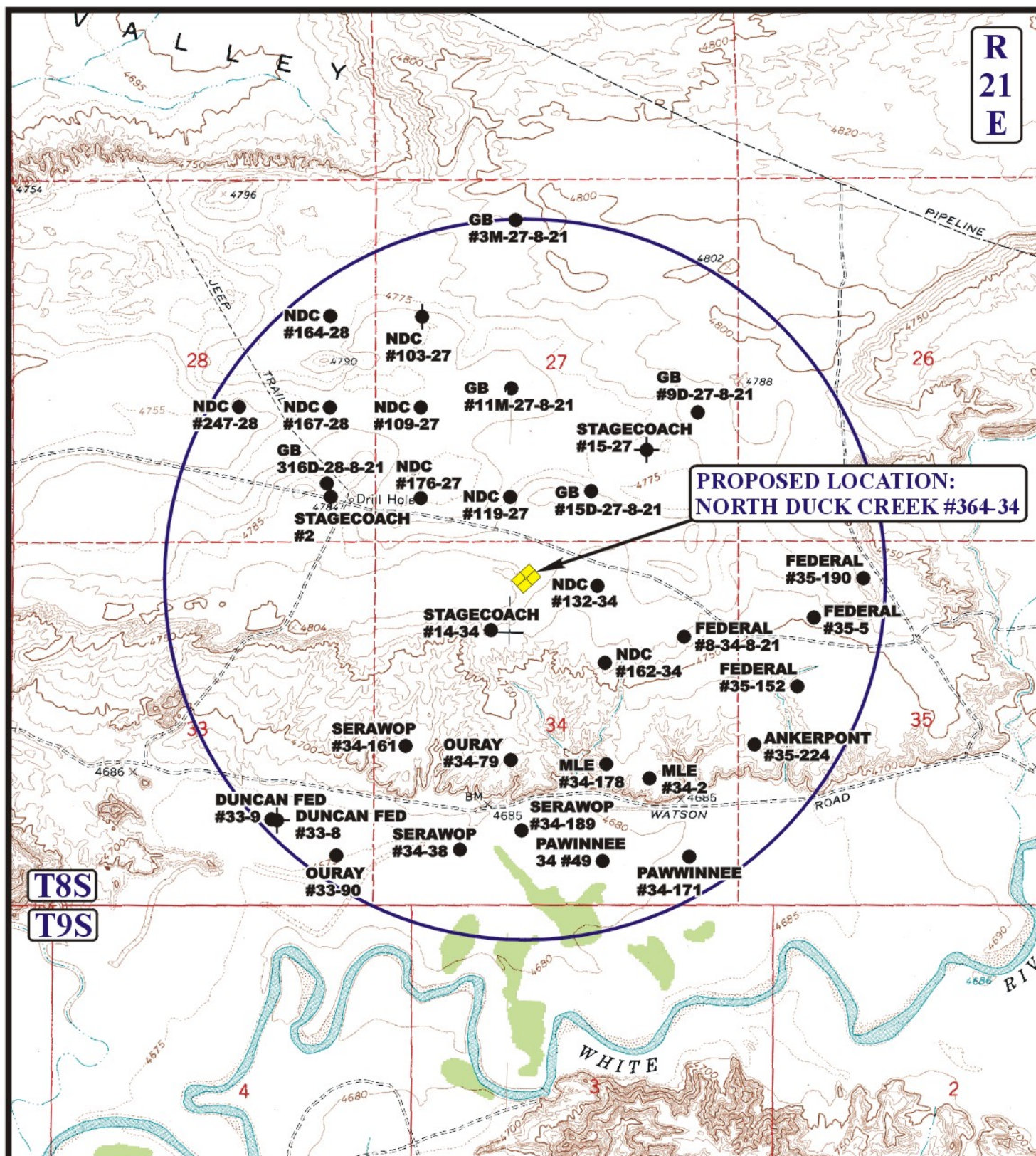
NORTH DUCK CREEK #364-34
SECTION 34, T8S, R21E, S.L.B.&M.
539' FNL 2160' FWL

TOPOGRAPHIC
MAP

12 MONTH
10 DAY
10 YEAR

SCALE: 1" = 2000' DRAWN BY: Z.L. REVISED: 00-00-00

B
TOPO



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED



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 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813



EOG RESOURCES, INC.

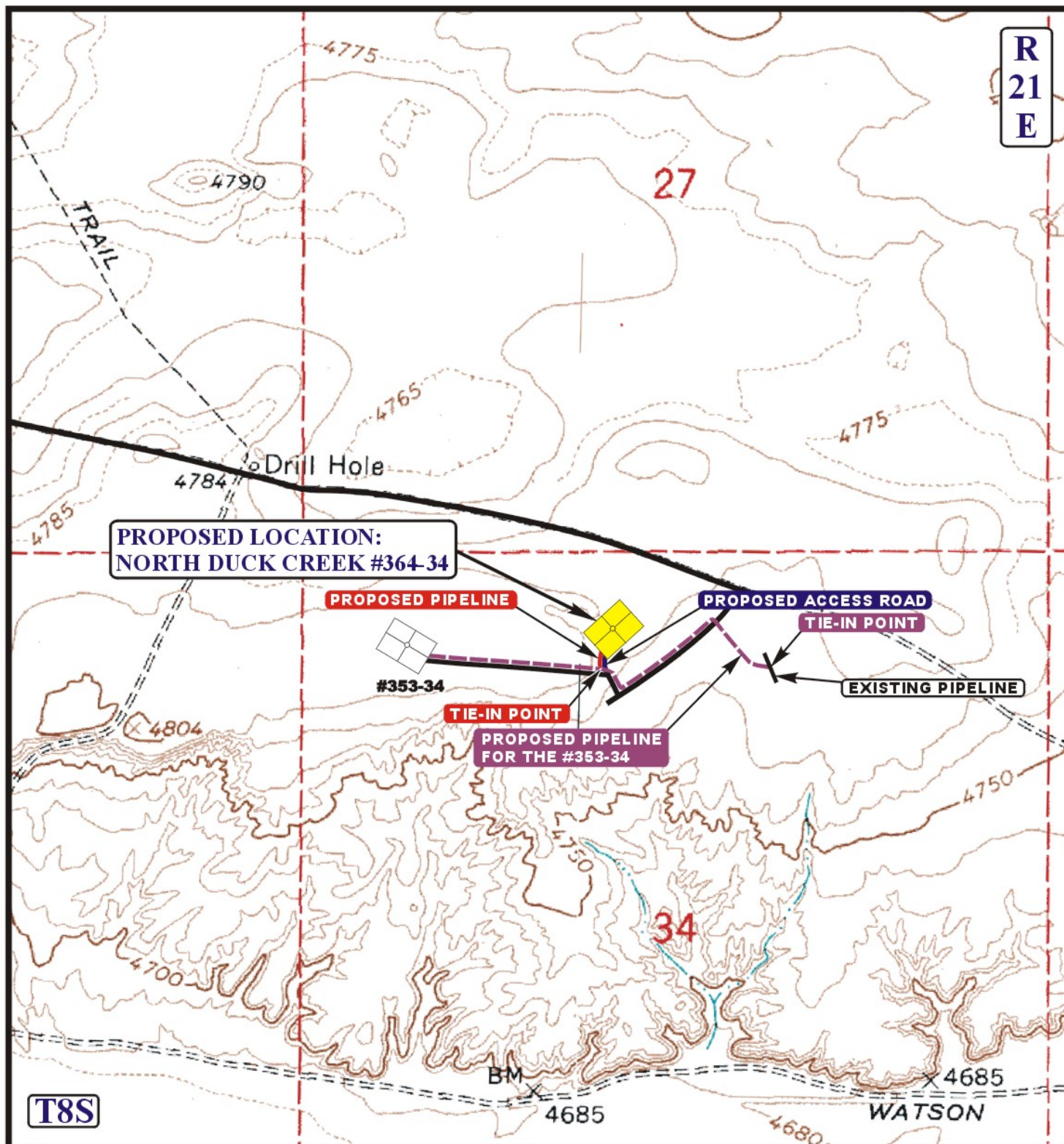
NORTH DUCK CREEK #364-34
SECTION 34, T8S, R21E, S.L.B.&M.
539' FNL 2160' FWL

TOPOGRAPHIC
MAP

12 **10** **10**
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: Z.L. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 86' +/-

LEGEND:

PROPOSED ACCESS ROAD
 EXISTING PIPELINE
 PROPOSED PIPELINE
 PROPOSED PIPELINE (SERVICING OTHER WELLS)



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813



EOG RESOURCES, INC.

NORTH DUCK CREEK #364-34
SECTION 34, T8S, R21E, S.L.B.&M.
539' FNL 2160' FWL

**TOPOGRAPHIC
MAP**

12 MONTH
10 DAY
10 YEAR

SCALE: 1" = 1000' DRAWN BY: Z.L. REVISED: 00-00-00

**D
TOPO**



***North Duck Creek 364-34
NENW, Section 34, T8S, R21E
Uintah County, Utah***

SURFACE USE PLAN

The well pad is approximately 355 feet long with a 255-foot width, with the area of maximum disturbance containing 3.345 acres more or less. Approximately 102.03' of new access road will be used to access the proposed location. Approximately 86.42' of new pipeline will be required. Total new surface disturbance will be approximately 3.475 acres more or less.

1. EXISTING ROADS:

- A. See attached Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 39.0 miles south of Vernal, Utah – See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary.

2. PLANNED ACCESS ROAD:

- A. Approximately 102.03' of new access road will be required.. See attached Topo B.
- B. The access road has a 30-foot ROW w/18 foot running surface.
- C. Maximum grade of the new access road will be 8 percent.
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No bridges, or major cuts and fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards, or fences will be required or encountered.
- I. A 30-foot permanent right-of-way is requested. No surfacing material will used.

- J. No additional storage areas will be needed for storing equipment, stockpiling, or vehicle parking.

All travel will be confined to existing access road rights-of-way.

New or reconstructed roads will be centerlined – flagged at time of location staking. Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction.

The road shall be constructed/upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Construction/upgrading shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well-constructed, safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30-foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the roadbed block the drainages. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

As operator, EOG Resources, Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

Traveling off the 30-foot right-of-way will not be allowed. The access road and associated drainage structures will be constructed and maintained in accordance with road guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, Third Edition, and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction. During the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and drainage ditches and culverts will be kept clear and free flowing.

3. LOCATION OF EXISTING WELLS WITHIN A ONE-MILE RADIUS:

See attached TOPO map "C" for the location of wells within a one-mile radius.

4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES:

A. On Well Pad

1. Production facilities will be set on location if the well is successfully completed for production. Facilities will consist of wellhead valves, combo separator-dehy unit with meter, two (2) 400-bbl and/or one (1) 300-bbl vertical tanks and attaching piping.

2. Gas gathering lines – A 4" gathering line will be buried from dehy to the edge of the location.

B. Off Well Pad

1. Proposed pipeline will transport natural gas.
2. The pipeline will be a permanent feeder line.
3. The proposed pipeline will be approximately 86.42 feet in length. Pipe will be 4" NOM, 0.156 wall, Grade X42, Zap-Lock, electric weld with a 35 mil X-Tru coating.
4. Proposed pipeline will be a 4" OD steel, zap-lok line laid on the surface
5. Proposed pipeline will be laid on surface.
6. Pipeline will be coupled using the Zap lock method. No additional off-pad facilities will be required.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. **All facilities will be painted with Carlsbad Canyon.** Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

5. LOCATION AND TYPE OF WATER SUPPLY:

- A. Water supply will be from Ouray Municipal Water Plant at Ouray, Utah, and/or Bonanza Power Plant water source in Sec 26, T8S, R23E, Uintah County, UT (State Water Right # 49-225(A31368)). Water will be hauled by a licensed trucking company.
- B. Water will be hauled by a licensed trucking company.
- C. No water well will be drilled on lease.

6. SOURCE OF CONSTRUCTION MATERIALS:

- A. All construction material for this pipeline will be of native borrow and soil accumulated during the construction of the location.
- B. No mineral materials will be required.

7. METHODS OF HANDLING WASTE DISPOSAL:**A. METHODS AND LOCATION**

1. Cuttings will be confined and dried within the cuttings pit. Dried cuttings shall be spread on the access road and well pad.
 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at the Uintah County Landfill.
 4. Produced wastewater will be confined to a storage tank for a period not to exceed 90 days after initial production. After the 90 day period, the produced water will be contained in a tank on location and then disposed of at one of the following locations: Natural Buttes Unit 21-20B SWD, Ace Disposal, CWU 550-30N SWD CWU 2-29 SWD, Red Wash Evaporation Ponds 1, 2, 3, 4, 5, 6, or 7, or Coyote Evaporation Ponds 1, 2, 3, or 4, or **White River Evaporation Ponds 1, or 2**, or Hoss SWD Facility, right-of-way UTU 86010, UTU 897093 or EOG Resources, Inc. drilling operations (Chapita Wells Unit, Natural Buttes Unit & Stagecoach Unit).
 5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on the drilling rig to avoid leakage of oil to the pit.
- B. Water from drilling fluids and recovered during testing operations will be disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to the closed loop system will be avoided by flaring them off in the flare pit at the time of recovery.

The referenced well will be drilling utilizing a closed loop system. The closed loop system will be installed in a manner that preventing leaks, breaks, or discharge. Drill cutting will be contained in an area approximately 50' x 100'. The drill cuttings area will be bermed and lined with bentonite. Drill cuttings will be dried and spread on location, containment berms and/or the authorized access road.

EOG Resources, Inc. maintains a file, per 29 CFR 1910.1200 (g) containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances which are used during the course of construction, drilling, completion, and production operations for this project. Hazardous materials (substances) which may be found at the site may include drilling mud and cementing products which are primarily inhalation hazards, fuels (flammable and/or combustible), materials that may be necessary for well completion/ stimulation activities such as flammable or combustible substances and acids/gels (corrosives). The opportunity for Superfund Amendments and Reauthorization Act (SARA) listed Extremely Hazardous Substances (EHS) at the site is generally limited to proprietary treating chemicals. All hazardous and EHS and commercial preparations will be handled in an appropriate manner to minimize the potential for leaks or spills to the environment.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the well. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing or completion of the well.

8. ANCILLARY FACILITIES:

An H₂S treater may be installed onsite if deemed necessary. No new surface disturbance will occur.

9. WELL SITE LAYOUT:

- A. Refer to attached well site plat for related topography cuts and fills and cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation, parking areas, and access road.

The proposed location will be drilled utilizing a closed loop system.

The stockpiled location topsoil will be stored in a location providing easy access for interim reclamation and protect of the topsoil. Upon completion of construction, the stockpiled topsoil from the location will be broadcast seeded with the approved seed mixture from this location and then walked down with a Caterpillar tractor.

Access to the well pad will be from the southeast.

10. PLANS FOR RECLAMATION OF THE SURFACE:**A. Interim Reclamation (Producing Location)**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The portion of the location not needed for production facilities/operations will be reclaimed – See attached Figure #3. The closed loop system will be reclaimed within

90 days from the date of the well completion, or as soon as environmental conditions allow.

The stockpiled topsoil will then be spread over the reclamation area and broadcast seeded with the prescribed seed mixture for this location as authorized within EOG's reclamation plan filed September 29, 2009.

B. Dry Hole/Abandoned Location

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and the BLM will attach the appropriated surface rehabilitation conditions of approval.

11. SURFACE OWNERSHIP:

Surface ownership of the proposed well site, access road, and pipeline route is as follows:

Ute Indian Tribe

12. OTHER INFORMATION:

- A. EOG Resources, Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the Authorized Officer. Within five working days the Authorized Officer will inform the operator as to:
- Whether the materials appear eligible for the National Register of Historic Places;
 - The mitigation measures the operator will likely have to undertake before the site can be used.
 - A time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the Authorized Officer are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Officer will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The Authorized Officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that required mitigation has been completed, the operator will then be allowed to resume construction.

- B. As operator, EOG Resources, Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BLM administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application or herbicides or other pesticides or possible hazardous chemicals.
- C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on BLM lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)
- D. The drilling rig and ancillary equipment will be removed from the location prior to commencement of completion operations. Completion operations will be conducted utilizing a completion/workover rig.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice of Lessees. The operator is fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Construction activity will not be conducted using frozen or saturated soils material or during periods when watershed damage is likely to occur.

If the existing access road, proposed access road, and proposed pad are dry during construction, drilling, and completion activities, water will be applied, as needed, to help facilitate compaction during construction and to minimize soil loss as a result of wind erosion.

A cultural resources survey was conducted and submitted by Montgomery Archaeological Consultants Report No. 05-330. A paleontological survey was conducted and submitted by Intermountain Paleo Report No. 10-190.

LESSEE OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:

PERMITTING AGENT

Jennifer Yu
EOG Resources, Inc.
600 17th Street, Suite 1000N
Denver, CO 80202
(303) 824-5576

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

The operator or his/her contractor shall contact the BLM office at (435) 781-4400 forty-eight (48) hours prior to construction activities.

**North Duck Creek 364-34
Surface Use Plan****Page 9****CERTIFICATION:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by EOG Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

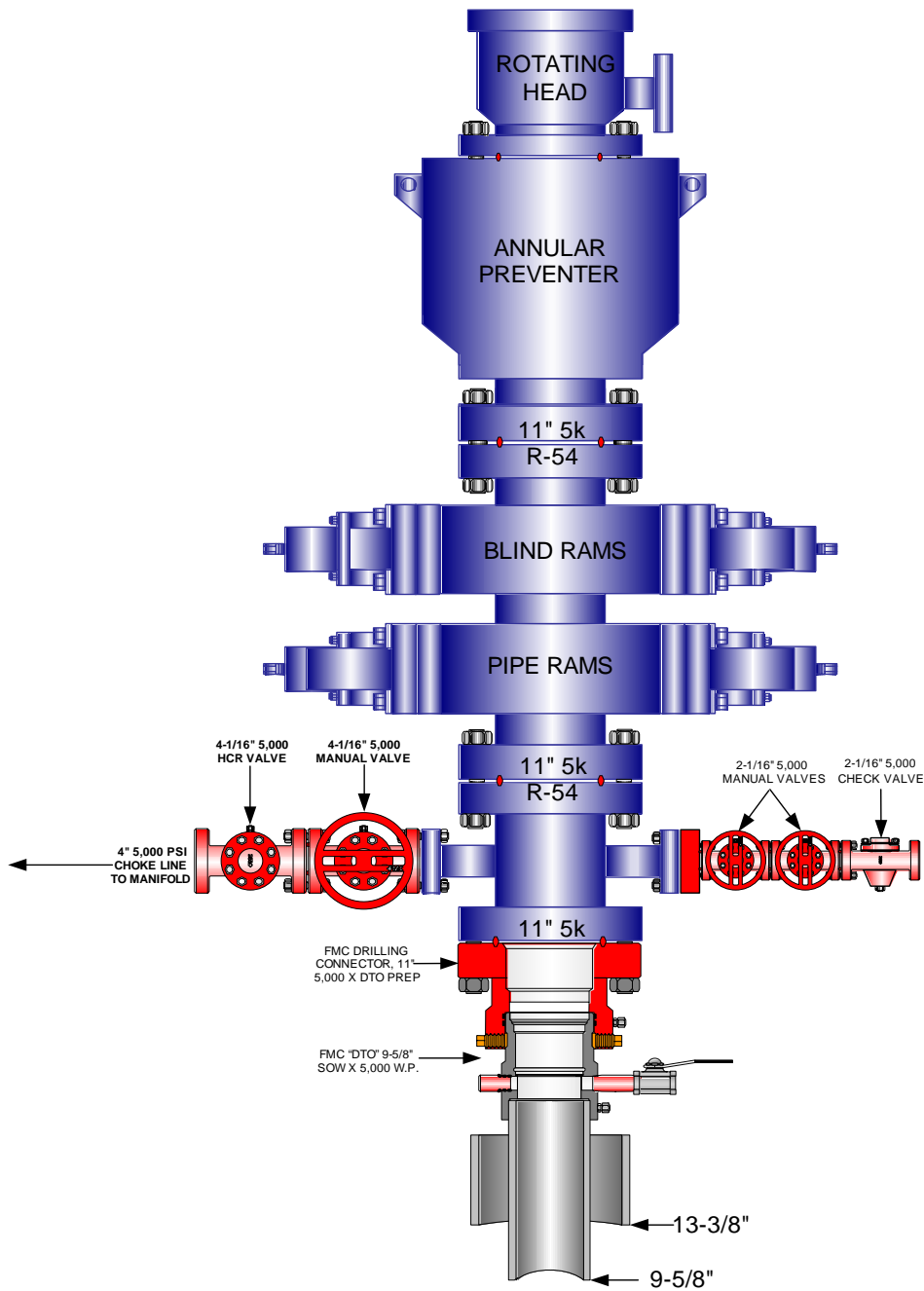
Please be advised that EOG Resources, Inc. is considered to be the operator of the North Duck Creek 364-34 Well, located in the NENW, of Section 34, T8S, R21E, Uintah County, Utah; Federal land and minerals; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is under Bond # NM 2308.

10/11/2011 _____
Date

Jennifer Yu, Regulatory Administrator

**EOG RESOURCES 11" 5,000 PSI W.P. BOP
CONFIGURATION**

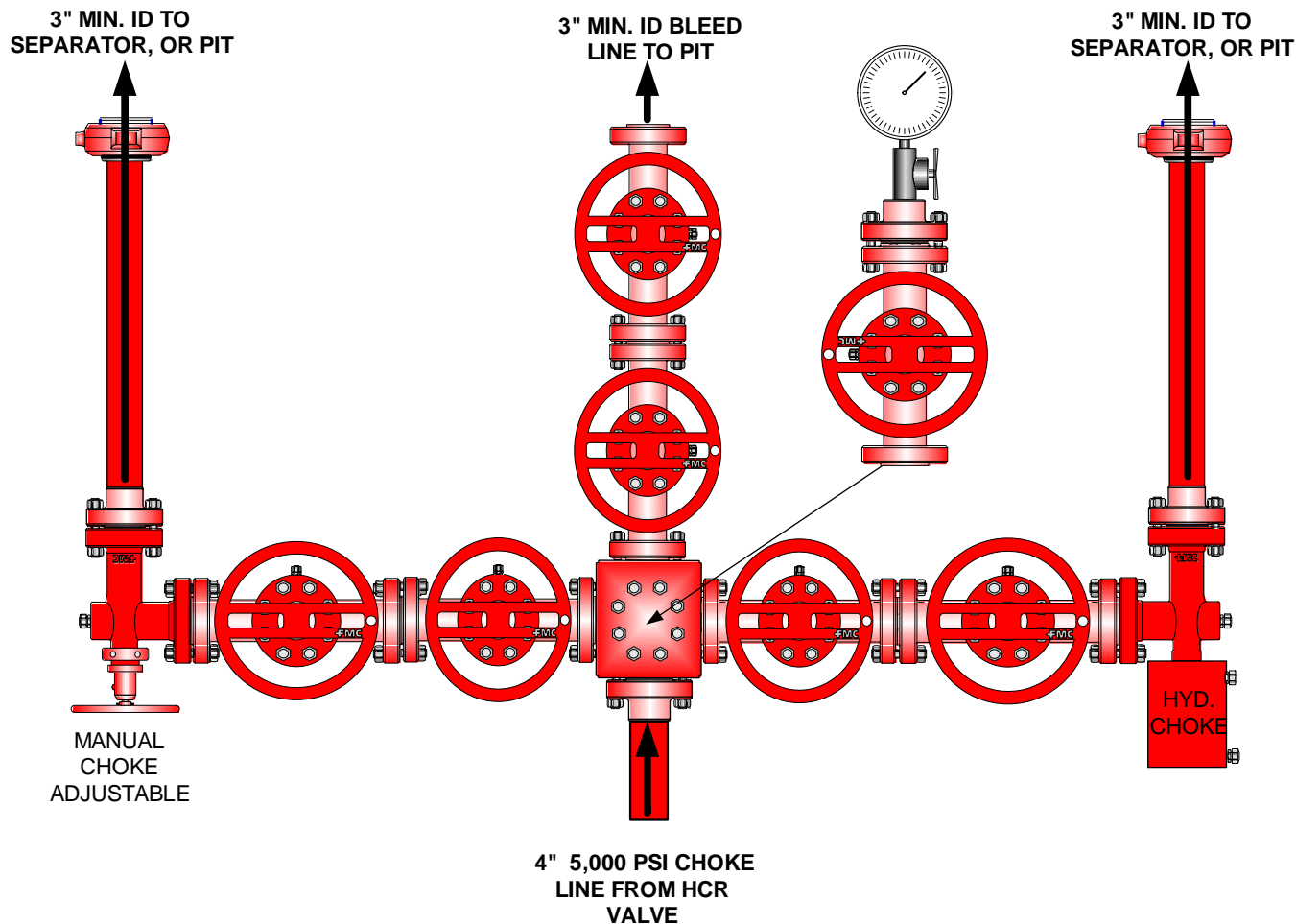
PAGE 1 OF 2



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**EOG RESOURCES CHOKE MANIFOLD CONFIGURATION
W/ 5,000 PSI WP VALVES**

PAGE 2 OF 2



Testing Procedure:

1. BOP will be tested with a professional tester to conform to Onshore Order #2.
2. Blind and Pipe rams will be tested to rated working pressure, 5,000 psi.
3. Annular Preventer will be tested to 50% working pressure, 2,500 psi.
Casing will be tested to 0.22 psi / ft. or 1,500 psi. Not to exceed 70% of burst strength, **whichever is greater.**
4. All lines subject to well pressure will be tested to the same pressure as blind and pipe rams.
5. All BOPE specifications and configurations will meet Onshore Order #2 requirements.

EOG RESOURCES, INC.
NORTH DUCK CREEK #364-34
LOCATED IN UTAH COUNTY, UTAH
SECTION 34, T8S, R21E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHERLY



UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

LOCATION PHOTOS

12 **10** **10**
MONTH DAY YEAR

PHOTO

TAKEN BY: G.S.

DRAWN BY: Z.L.

REVISED: 00-00-00

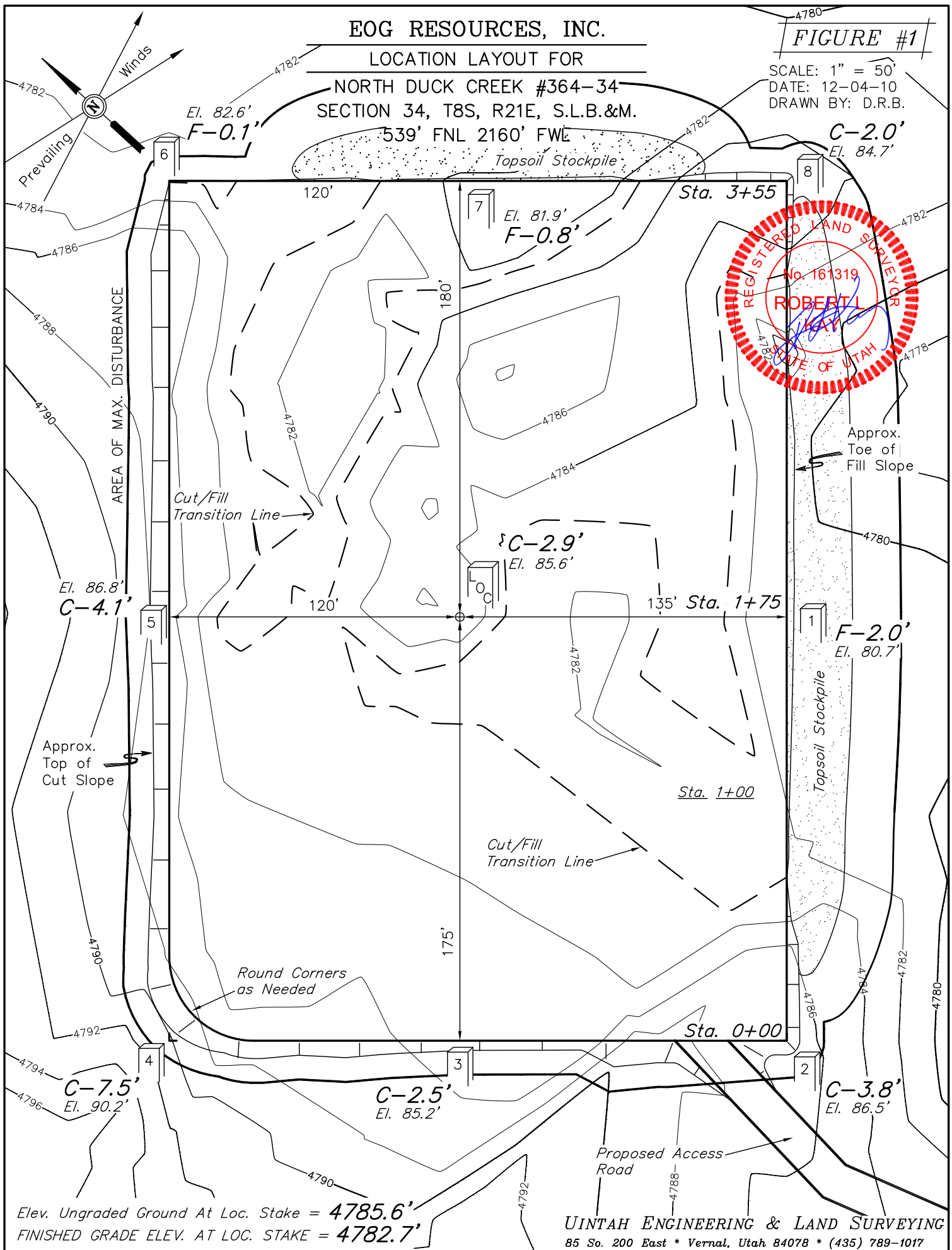
EOG RESOURCES, INC.

LOCATION LAYOUT FOR

NORTH DUCK CREEK #364-34
SECTION 34, T8S, R21E, S.L.B.&M.

539' FNL 2160' FWL

FIGURE #1

SCALE: 1" = 50'
DATE: 12-04-10
DRAWN BY: D.R.B.

RECEIVED: November 04, 2011

EOG RESOURCES, INC.

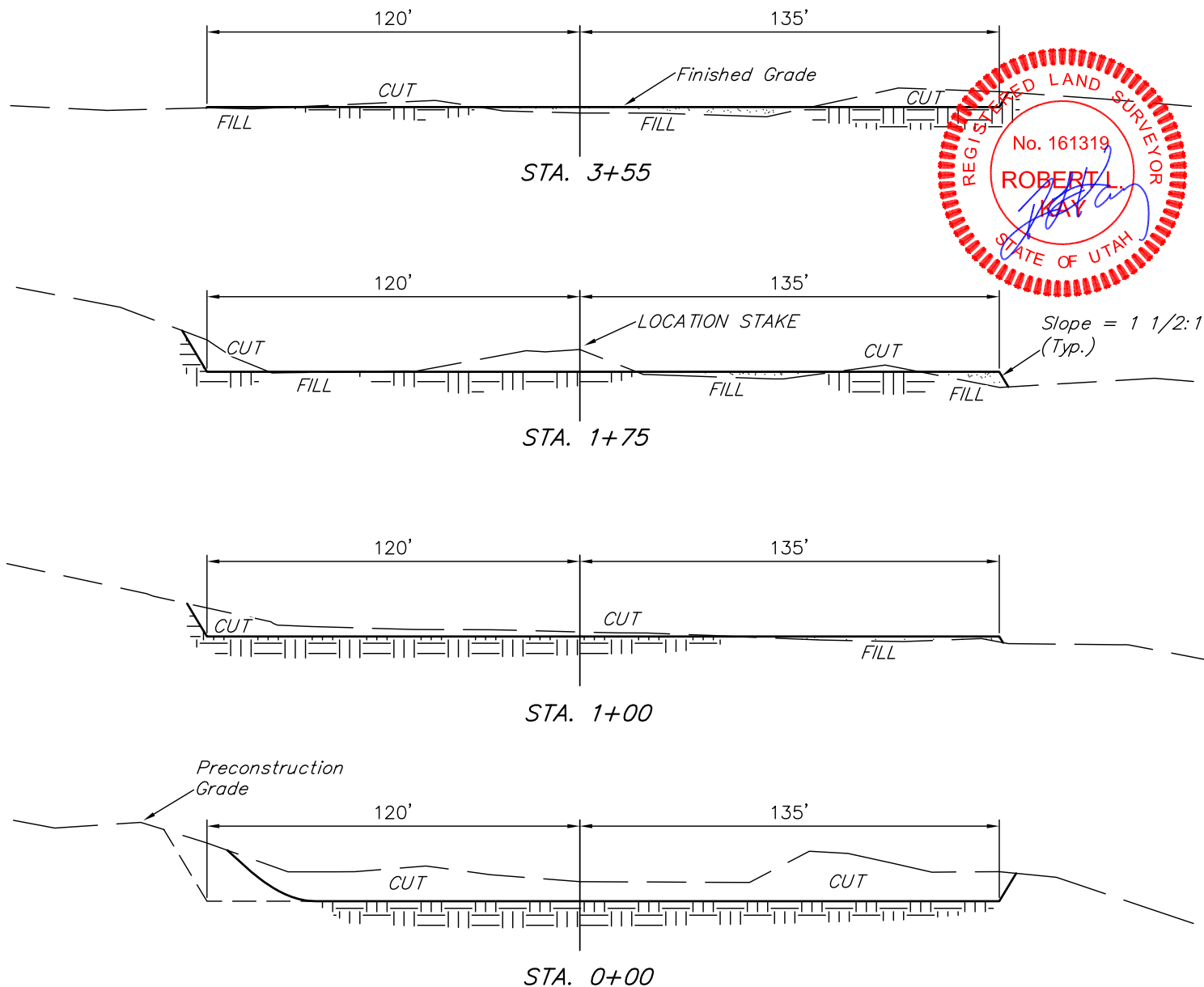
TYPICAL CROSS SECTIONS FOR

NORTH DUCK CREEK #364-34
SECTION 34, T8S, R21E, S.L.B.&M.
539' FNL 2160' FWL

FIGURE #2

1" = 20'
X-Section
Scale
1" = 50'

DATE: 12-04-10
DRAWN BY: D.R.B.



NOTE:

Topsoil should not be
Stripped Below Finished
Grade on Substructure Area.

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 3.345 ACRES
ACCESS ROAD DISTURBANCE = ± 0.070 ACRES
PIPELINE DISTURBANCE = ± 0.060 ACRES
TOTAL = ± 3.475 ACRES

* NOTE:

FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

(12") Topsoil Stripping = 3,550 Cu. Yds.
Remaining Location = 2,210 Cu. Yds.
TOTAL CUT = 5,760 CU.YDS.
FILL = 2,210 CU.YDS.

EXCESS MATERIAL = 3,550 Cu. Yds.
Topsoil = 3,550 Cu. Yds.
EXCESS UNBALANCE = 0 Cu. Yds.
(After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

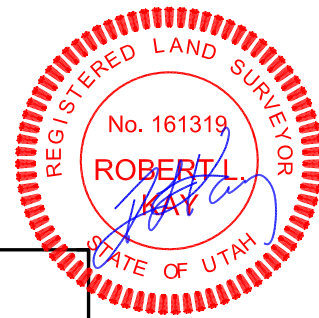
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EOG RESOURCES, INC.

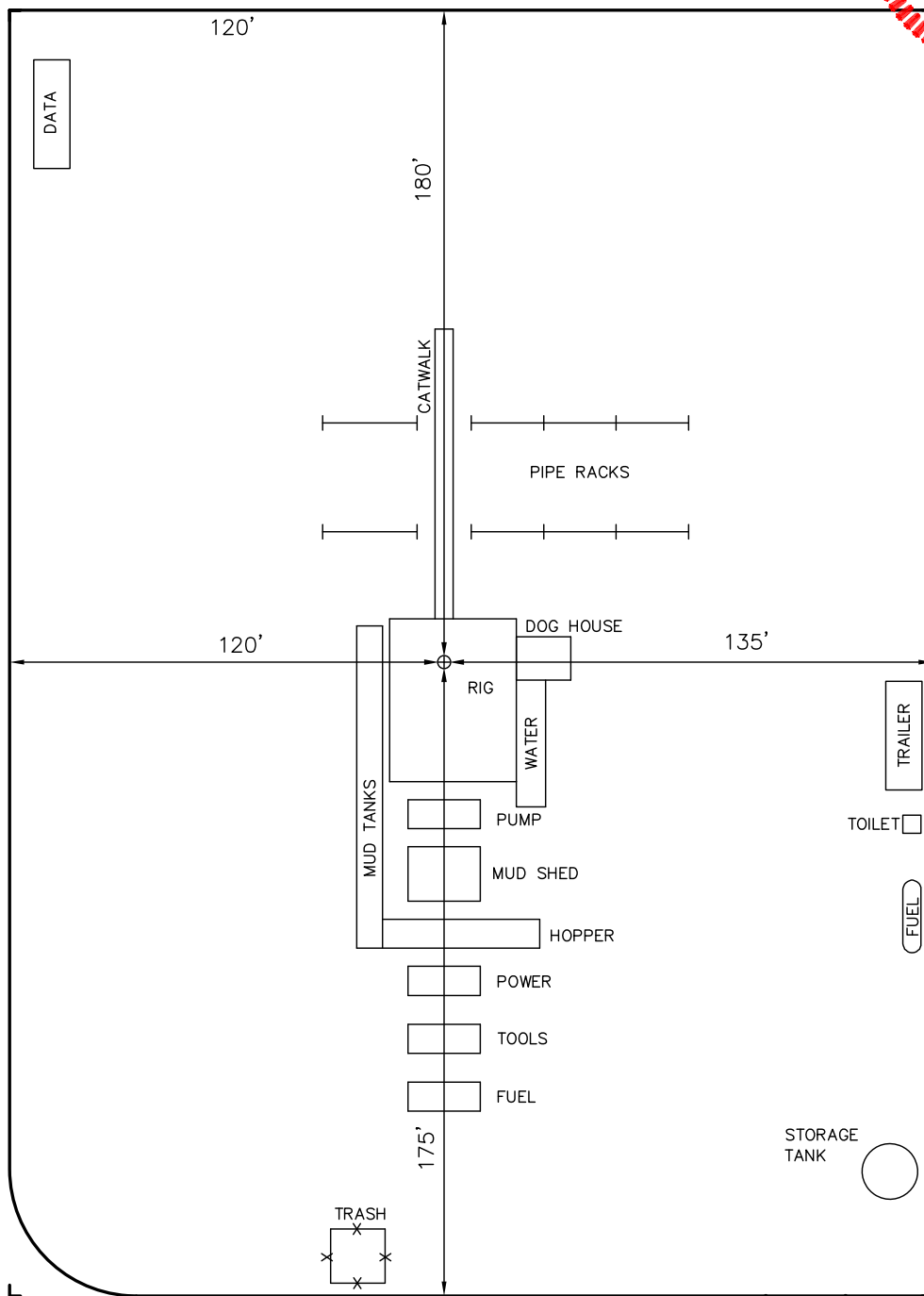
TYPICAL RIG LAYOUT FOR

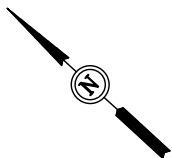
NORTH DUCK CREEK #364-34
SECTION 34, T8S, R21E, S.L.B.&M.
539' FNL 2160' FWL

FIGURE #3



SCALE: 1" = 50'
DATE: 12-04-10
DRAWN BY: D.R.B.

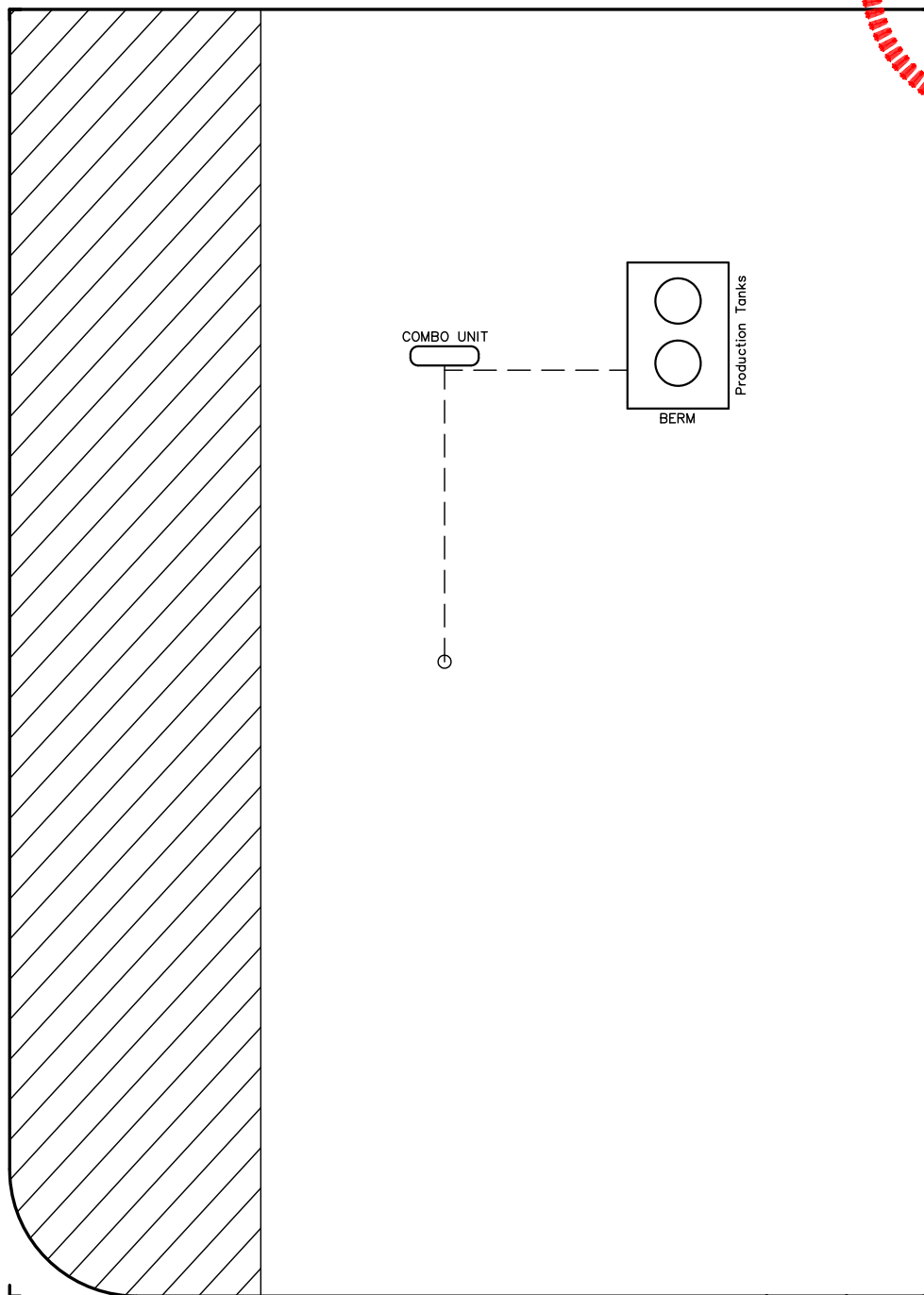
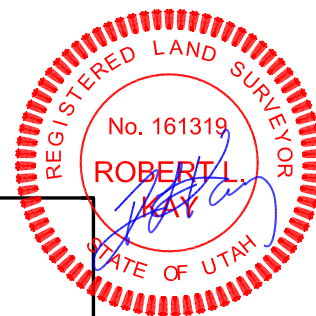




SCALE: 1" = 50'
DATE: 12-04-10
DRAWN BY: D.R.B.

EOG RESOURCES, INC.
PRODUCTION FACILITY LAYOUT FOR
NORTH DUCK CREEK #364-34
SECTION 34, T8S, R21E, S.L.B.&M.
539' FNL 2160' FWL

FIGURE #4



RECLAIMED AREA

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*EOG RESOURCES, INC.
NORTH DUCK CREEK #364-34
SURFACE USE AREA & ROAD RIGHT-OF-WAY
SECTION 34, T8S, R21E, S.L.B.&M.*

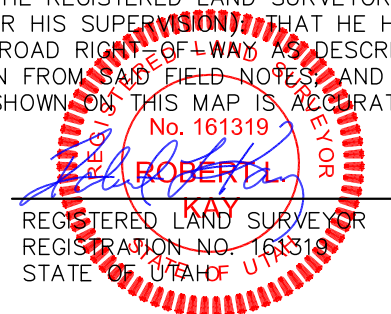
TOTAL ROAD RIGHT-OF-WAY ON UTE TRIBAL LANDS

TOTAL LENGTH OF RIGHT-OF-WAY IS 102.03' OR 0.019 MILES. WIDTH OF
RIGHT-OF-WAY IS 30' (15' PERPENDICULAR ON EACH SIDE OF THE CENTERLINE).
CONTAINS 0.070 ACRES MORE OR LESS.

ENGINEER'S AFFIDAVIT

STATE OF UTAH)
COUNTY OF UINTAH) SS

ROBERT L. KAY, BEING FIRST DULY SWORN DEPOSES AND STATES THAT HE IS THE REGISTERED LAND SURVEYOR, FOR EOG RESOURCES, INC., THAT THESE SURVEYS WERE MADE BY HIM (OR UNDER HIS SUPERVISION) THAT HE HAS EXAMINED THE FIELD NOTES OF THE SURVEYS OF THE SURFACE USE AREA AND ROAD RIGHT-OF-WAY AS DESCRIBED AND SHOWN ON THIS MAP, THAT THIS MAP WAS PREPARED UNDER HIS DIRECTION FROM SAID FIELD NOTES, AND THAT SAID RIGHT-OF-WAY, 0.019 MILES IN LENGTH BEGINNING AND ENDING AS SHOWN ON THIS MAP IS ACCURATELY REPRESENTED.



ACKNOWLEDGEMENT

SUBSCRIBED AND SWORN BEFORE ME THIS ____ DAY OF _____ 2010.

MY COMMISSION EXPIRES _____.

NOTARY PUBLIC
VERNAL, UTAH

APPLICANT'S CERTIFICATE

I, _____, DO HEREBY CERTIFY THAT I AM THE AGENT FOR EOG RESOURCES, INC., HEREINAFTER DESIGNATED THE APPLICANT; THAT ROBERT L. KAY WHO SUBSCRIBED TO THE FOREGOING AFFIDAVIT, IS EMPLOYED BY THE APPLICANT AS A LAND SURVEYOR AND THAT HE WAS DIRECTED BY THE APPLICANT TO SURVEY THE LOCATION OF THIS SURFACE USE AREA AND ROAD RIGHT-OF-WAY, 0.019 MILES IN LENGTH BEGINNING AT STA. 0+00 AND ENDING AT STA. 1+02.03, THAT SAID SURFACE USE AREA AND ROAD RIGHT-OF-WAY ARE ACCURATELY REPRESENTED ON THIS MAP; THAT SUCH SURVEY AS REPRESENTED ON THIS MAP HAS BEEN ADOPTED BY THE APPLICANT AS THE DEFINITE LOCATION OF THE RIGHT-OF-WAY THEREBY SHOWN; AND THAT THE MAP HAS BEEN PREPARED TO BE FILED WITH THE SECRETARY OF THE INTERIOR OR HIS DULY AUTHORIZED REPRESENTATIVE AS PART OF THE APPLICATION FOR SAID RIGHT-OF-WAY TO BE GRANTED THE APPLICANT, ITS SUCCESSORS AND ASSIGNS, WITH THE RIGHT TO CONSTRUCT, MAINTAIN, AND REPAIR IMPROVEMENTS, THEREON AND THEREOVER, FOR SUCH PURPOSES, AND WITH THE FURTHER RIGHT IN THE APPLICANT, ITS SUCCESSORS AND ASSIGNS TO TRANSFER THIS RIGHT-OF-WAY BY ASSIGNMENT, GRANT, OR OTHERWISE.

APPLICANT

AGENT

TITLE

RECEIVED: November 04, 2011

N89°58'00"W – 2663.92' (Meas.)

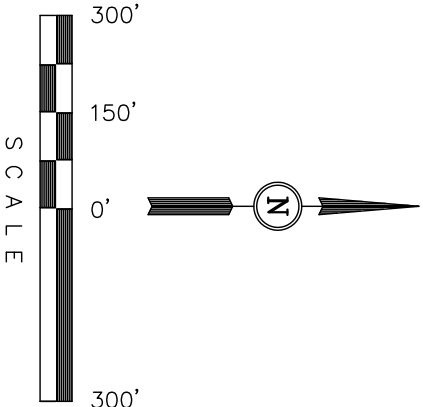
Section Line

EOG RESOURCES, INC.

LOCATION SURFACE USED AREA
& ROAD RIGHT-OF-WAY
ON UTE TRIBAL LANDS

(For NORTH DUCK CREEK #364-34)

LOCATED IN
SECTION 34, T8S, R21E, S.L.B.&M.
UNITAH COUNTY, UTAH

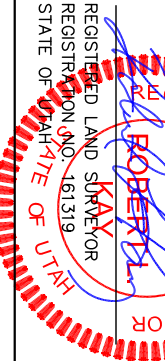


SURFACE USE AREA DESCRIPTION

BEGINNING AT A POINT IN THE NE 1/4 NW 1/4 OF SECTION 34, T8S, R21E, S.L.B.&M. WHICH BEARS S35°50'29"W 969.45' FROM THE NORTH 1/4 CORNER OF SAID SECTION 34, THENCE N42°36'18"W 297.71'; THENCE N47°23'42"E 435.00'; THENCE S42°36'18"E 335.00'; THENCE S47°23'42"W 435.00'; THENCE N42°36'18"W 37.29' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 3.345 ACRES MORE OR LESS.

CERTIFICATE

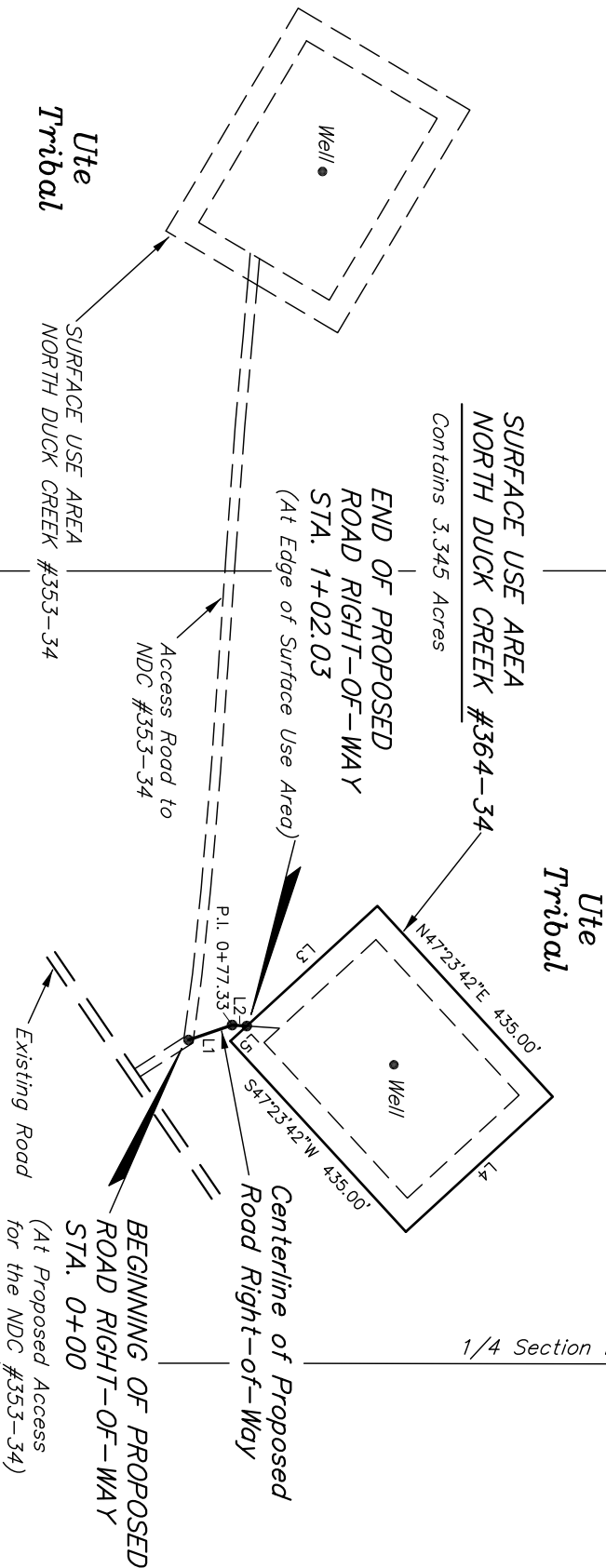
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



UNITAH ENGINEERING & LAND SURVEYING
86 SOUTH - 200 EAST • (435) 789-1017
VERNAL, UTAH - 84078

SCALE	DATE
1" = 300'	12-05-10
PARTY	REFERENCES
G.S. T.H. D.R.B.	G.L.O. PLAT
WEATHER	FILE
COLD	5 0 1 9 3

1967 Brass Cap
0.4' High, Mound
of Stones



NW 1/4

1/16 Section Line

S00°07'15"E – 2657.40' (Meas.)

Section Line

NOTE:
BEGINNING STA. 0+00 BEARS S31°37'44"W 1037.81' FROM THE NORTH 1/4 CORNER OF SECTION 34, T8S, R21E, S.L.B.&M.
END STA. 1+02.03 BEARS S35°50'29"W 969.45' FROM THE NORTH 1/4 CORNER OF SECTION 34, T8S, R21E, S.L.B.&M.

1/16 Section Line

ROAD RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NE 1/4 NW 1/4 OF SECTION 34, T8S, R21E, S.L.B.&M. WHICH BEARS S31°37'44"W 1037.81' FROM THE NORTH 1/4 CORNER OF SAID SECTION 34, THENCE N18°57'28"W 77.33'; THENCE N03°57'35"E 24.70' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 34, WHICH BEARS S35°50'29"W 969.45' FROM THE NORTH 1/4 CORNER OF SAID SECTION 34. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.070 ACRES MORE OR LESS.

RIGHT-OF-WAY LENGTHS

PROPERTY OWNER	FEET	ACRES	RODS
UTE TRIBAL	102.03'	0.070	6.184

LINE TABLE		
LINE	BEARING	LENGTH
L1	N18°57'28"W	77.33'
L2	N03°57'35"E	24.70'
L3	N42°36'18"W	297.71'
L4	S42°36'18"E	335.00'
L5	N42°36'18"W	37.29'

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

1967 Brass Cap
1.0' High, Pile
of Stones

Sec. 34

1/4 Section Line

*EOG RESOURCES, INC.
NORTH DUCK CREEK #364-34
PIPELINE RIGHT-OF-WAY
SECTION 34, T8S, R21E, S.L.B.&M.*

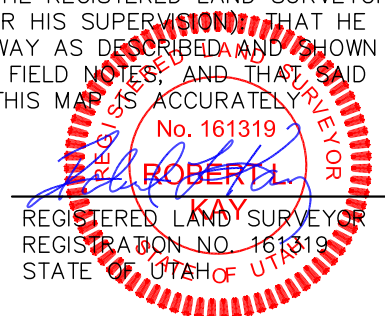
TOTAL PIPELINE RIGHT-OF-WAY ON UTE TRIBAL LANDS

TOTAL LENGTH OF RIGHT-OF-WAY IS 86.42' OR 0.016 MILES. WIDTH OF
RIGHT-OF-WAY IS 30' (15' PERPENDICULAR ON EACH SIDE OF THE CENTERLINE).
CONTAINS 0.060 ACRES MORE OR LESS.

ENGINEER'S AFFIDAVIT

STATE OF UTAH }
 } SS
COUNTY OF UINTAH }

ROBERT L. KAY, BEING FIRST DULY SWORN DEPOSES AND STATES THAT HE IS THE REGISTERED LAND SURVEYOR, FOR EOG RESOURCES, INC., THAT THESE SURVEYS WERE MADE BY HIM (OR UNDER HIS SUPERVISION), THAT HE HAS EXAMINED THE FIELD NOTES OF THE SURVEYS OF THE PIPELINE RIGHT-OF-WAY AS DESCRIBED AND SHOWN ON THIS MAP, THAT THIS MAP WAS PREPARED UNDER HIS DIRECTION FROM SAID FIELD NOTES, AND THAT SAID RIGHT-OF-WAY, 0.016 MILES IN LENGTH BEGINNING AND ENDING AS SHOWN ON THIS MAP IS ACCURATELY REPRESENTED.



ACKNOWLEDGEMENT

SUBSCRIBED AND SWORN BEFORE ME THIS ____ DAY OF _____ 2010.

MY COMMISSION EXPIRES _____.

NOTARY PUBLIC
VERNAL, UTAH

APPLICANT'S CERTIFICATE

I, _____, DO HEREBY CERTIFY THAT I AM THE AGENT FOR EOG RESOURCES, INC., HEREINAFTER DESIGNATED THE APPLICANT; THAT ROBERT L. KAY WHO SUBSCRIBED TO THE FOREGOING AFFIDAVIT, IS EMPLOYED BY THE APPLICANT AS A LAND SURVEYOR AND THAT HE WAS DIRECTED BY THE APPLICANT TO SURVEY THE LOCATION OF THIS PIPELINE RIGHT-OF-WAY, 0.016 MILES IN LENGTH BEGINNING AT STA. 0+00 AND ENDING AT STA. 0+86.42, THAT SAID PIPELINE RIGHT-OF-WAY IS ACCURATELY REPRESENTED ON THIS MAP; THAT SUCH SURVEY AS REPRESENTED ON THIS MAP HAS BEEN ADOPTED BY THE APPLICANT AS THE DEFINITE LOCATION OF THE RIGHT-OF-WAY THEREBY SHOWN; AND THAT THE MAP HAS BEEN PREPARED TO BE FILED WITH THE SECRETARY OF THE INTERIOR OR HIS DULY AUTHORIZED REPRESENTATIVE AS PART OF THE APPLICATION FOR SAID RIGHT-OF-WAY TO BE GRANTED THE APPLICANT, ITS SUCCESSORS AND ASSIGNS, WITH THE RIGHT TO CONSTRUCT, MAINTAIN, AND REPAIR IMPROVEMENTS, THEREON AND THEREOVER, FOR SUCH PURPOSES, AND WITH THE FURTHER RIGHT IN THE APPLICANT, ITS SUCCESSORS AND ASSIGNS TO TRANSFER THIS RIGHT-OF-WAY BY ASSIGNMENT, GRANT, OR OTHERWISE.

APPLICANT

AGENT

TITLE

RECEIVED: November 04, 2011

EOG RESOURCES, INC.
NORTH DUCK CREEK #364-34
SECTION 34, T8S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN NORTHEASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 7.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #353-34 TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY DIRECTION APPROXIMATELY 94' TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY DIRECTION APPROXIMATELY 102' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 39.0 MILES.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/4/2011**API NO. ASSIGNED:** 43047521790000**WELL NAME:** North Duck Creek 364-34**OPERATOR:** EOG Resources, Inc. (N9550)**PHONE NUMBER:** 435 781-9111**CONTACT:** Kaylene Gardner**PROPOSED LOCATION:** NENW 34 080S 210E**Permit Tech Review:** ☒**SURFACE:** 0539 FNL 2160 FWL**Engineering Review:** ☐**BOTTOM:** 0539 FNL 2160 FWL**Geology Review:** ☒**COUNTY:** Uintah**LATITUDE:** 40.08530**LONGITUDE:** -109.54173**UTM SURF EASTINGS:** 624325.00**NORTHINGS:** 4438244.00**FIELD NAME:** NATURAL BUTTES**LEASE TYPE:** 1 - Federal**LEASE NUMBER:** UTU9613**PROPOSED PRODUCING FORMATION(S):** MESA VERDE**SURFACE OWNER:** 2 - Indian**COALBED METHANE:** NO**RECEIVED AND/OR REVIEWED:**

- ☒ **PLAT**
- ☒ **Bond:** FEDERAL - NM2308
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☒ **Water Permit:** Water Right # 49-225 (A31368)
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**
- Commingle Approved**

LOCATION AND SITING:

- ☐ **R649-2-3.**
- Unit:**
- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☒ **Drilling Unit**
- Board Cause No:** Cause 173-23
- Effective Date:** 10/5/2009
- Siting:** 460' Fr Exterior Drilling Unit Boundary
- ☐ **R649-3-11. Directional Drill**

Comments: Presite Completed**Stipulations:** 4 - Federal Approval - dmason**RECEIVED: November 21, 2011**



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: North Duck Creek 364-34

API Well Number: 43047521790000

Lease Number: UTU9613

Surface Owner: INDIAN

Approval Date: 11/21/2011

Issued to:

EOG Resources, Inc., 600 17th Street, Suite 1000 N, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 173-23. The expected producing formation or pool is the MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month

- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink, appearing to read "J. Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov/ut/st/en.html>



MAR 23 2012

IN REPLY REFER TO:

3180

UT922100

RECEIVED

MAR 28 2012

DIV. OF OIL, GAS & MINING

Debbie Spears, Sr. Land Associate
EOG Resources, Inc.
600 Seventeenth Street, Suite 1000N
Denver, CO 80202

43-0417-52179

Re: Amendment to
Communitization Agreement NRM-1765
UTU-60808

Uintah County, Utah

(12) 34 85 21e

Dear Debbie Spears:

Your proposed amendment to Communitization Agreement NRM-1765 is hereby approved effective December 1, 2008. The necessary consents to amend the agreement have been obtained. Section 1 of the communitization agreement is amended as follows:

1. The lands covered by this agreement (hereafter referred to as "communitized area") are described as follows:

Township 8 South, Range 21 East, SLB&M

Section 34: N½.

Uintah County, Utah

The North half (N½) of Section 34, Township 8 South, Range 21 East, SLB&M, Uintah County, State of Utah, more fully described in Exhibit B attached hereto and made a part hereof by this reference. Containing 320.00 acres, more or less, and this agreement shall include only the Wasatch and Mesaverde Formations including the Blackhawk and Mancos "B" sands underlying said lands and the natural gas and associated oil hydrocarbons, hereinafter referred to as "communitized substances," producible from such formations.

Copies of the amendment are being distributed to the appropriate Federal Offices and one copy is returned herewith. It is requested that you notify all other interested parties of this approval.

If you have any questions concerning this approval, please contact Judy Nordstrom at (801) 539-4108.

Sincerely,

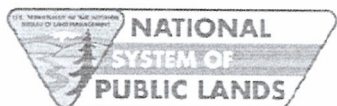
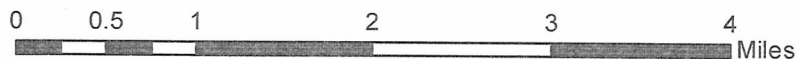
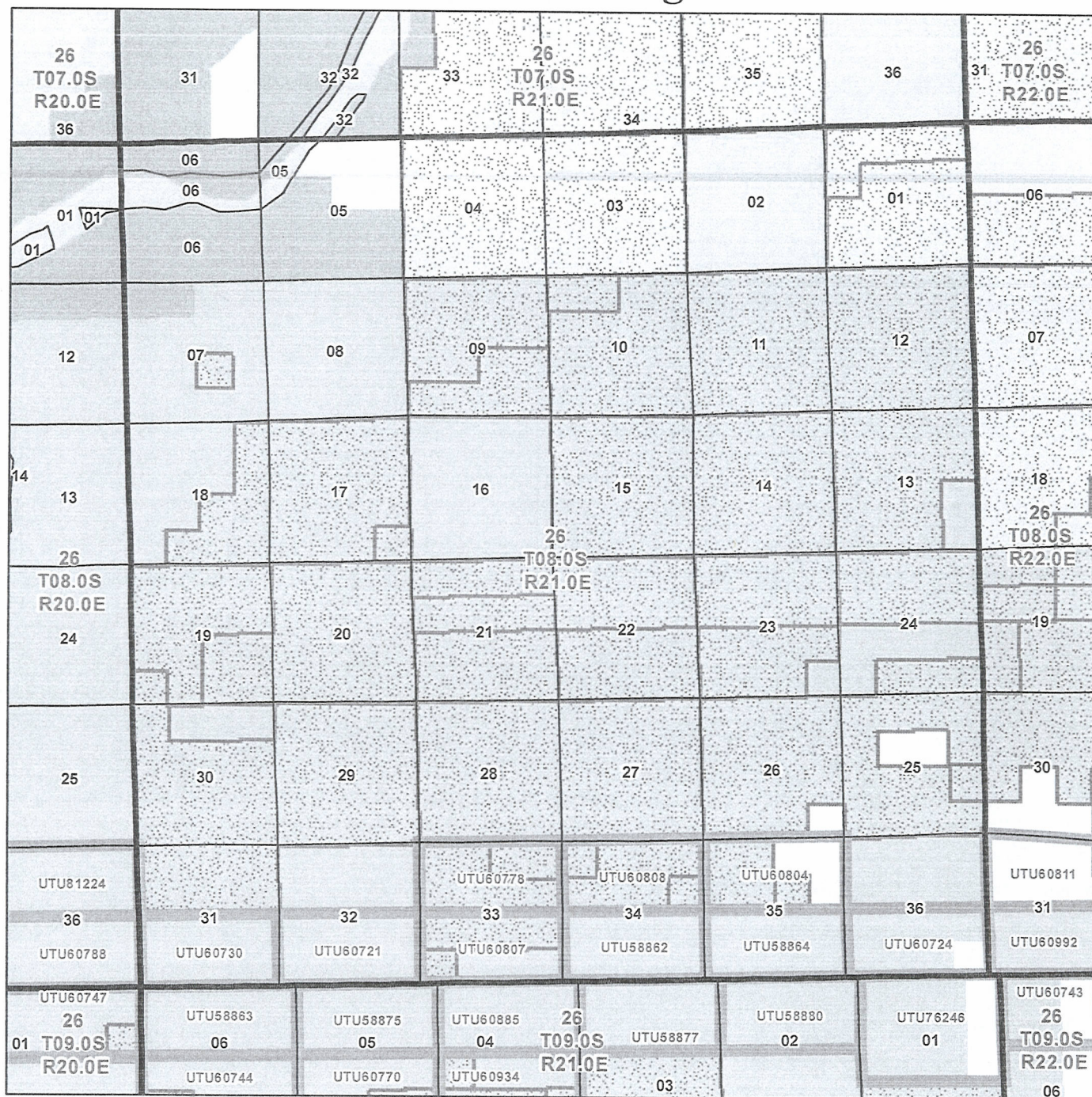
A handwritten signature in cursive script, appearing to read "Roger L. Bankert".

Roger L. Bankert
Chief, Branch of Minerals

Enclosure

cc: UDOGM
SITLA
ONRR w/Exhibit "B" (Attn: Leona Reilly)
BLM FOM - Price w/enclosure

T 8S R 21E SLB&M Communitization Agreements



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU9613
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE IN
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well		8. WELL NAME and NUMBER: N DUCK CREEK 364-34
2. NAME OF OPERATOR: EOG Resources, Inc.		9. API NUMBER: 43047521790000
3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1000 N , Denver, CO, 80202		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0539 FNL 2160 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 34 Township: 08.0S Range: 21.0E Meridian: S		COUNTY: UINTAH
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/20/2012 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. EOG Resources, Inc. respectfully requests the APD for the referenced well be extended for one year.		
Approved by the Utah Division of Oil, Gas and Mining Date: November 21, 2012 By:		
NAME (PLEASE PRINT) Kaylene Gardner		PHONE NUMBER 435 781-9111
SIGNATURE N/A		TITLE Regulatory Administrator
		DATE 11/20/2012



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047521790000

API: 43047521790000

Well Name: N DUCK CREEK 364-34

Location: 0539 FNL 2160 FWL QTR NENW SEC 34 TWNP 080S RNG 210E MER S

Company Permit Issued to: EOG RESOURCES, INC.

Date Original Permit Issued: 11/21/2011

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☒ Yes ☐ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Kaylene Gardner

Date: 11/20/2012

Title: Regulatory Administrator **Representing:** EOG RESOURCES, INC.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU9613
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE IN
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well		8. WELL NAME and NUMBER: N DUCK CREEK 364-34
2. NAME OF OPERATOR: EOG RESOURCES, INC.		9. API NUMBER: 43047521790000
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Vernal, UT, 84078		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0539 FNL 2160 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 34 Township: 08.0S Range: 21.0E Meridian: S		COUNTY: UINTAH
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/14/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. EOG Resources, Inc. respectfully requests the APD for the referenced well be extended for one year.		
Approved by the Utah Division of Oil, Gas and Mining Date: November 18, 2013 By:		
NAME (PLEASE PRINT) Kaylene Gardner		PHONE NUMBER 435 781-9111
SIGNATURE N/A		TITLE Regulatory Administrator
		DATE 11/14/2013



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047521790000

API: 43047521790000

Well Name: N DUCK CREEK 364-34

Location: 0539 FNL 2160 FWL QTR NENW SEC 34 TWNP 080S RNG 210E MER S

Company Permit Issued to: EOG RESOURCES, INC.

Date Original Permit Issued: 11/21/2011

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☒ Yes ☐ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Kaylene Gardner

Date: 11/14/2013

Title: Regulatory Administrator Representing: EOG RESOURCES, INC.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU9613
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: EOG RESOURCES, INC.		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1000 N, Denver, CO, 80202		8. WELL NAME and NUMBER: N DUCK CREEK 364-34
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0539 FNL 2160 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 34 Township: 08.0S Range: 21.0E Meridian: S		9. API NUMBER: 43047521790000
PHONE NUMBER: 435 781-9111 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/20/2014	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 EOG Resources, Inc. respectfully requests the APD for the referenced well be extended for one year.

Approved by the
 November 25, 2014
 Oil, Gas and Mining

Date: _____

By:

NAME (PLEASE PRINT) Donna J Skinner	PHONE NUMBER 303 262-9467	TITLE Sr. Regulatory Assistant
SIGNATURE N/A	DATE 11/20/2014	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047521790000

API: 43047521790000

Well Name: N DUCK CREEK 364-34

Location: 0539 FNL 2160 FWL QTR NENW SEC 34 TWNP 080S RNG 210E MER S

Company Permit Issued to: EOG RESOURCES, INC.

Date Original Permit Issued: 11/21/2011

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- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Donna J Skinner

Date: 11/20/2014

Title: Sr. Regulatory Assistant Representing: EOG RESOURCES, INC.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: EOG RESOURCES, INC.		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Vernal, UT, 84078		8. WELL NAME and NUMBER: N DUCK CREEK 364-34
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PHONE NUMBER: 435 781-9111 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/13/2015	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 EOG Resources, Inc. respectfully requests the APD for the referenced well be extended for one year.

Approved by the

October 15, 2015

Oil, Gas and Mining

Date: _____

By:

NAME (PLEASE PRINT) Kristen Sheehan	PHONE NUMBER 303 262-9931	TITLE Assistant Regulatory
SIGNATURE N/A	DATE 10/13/2015	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047521790000

API: 43047521790000

Well Name: N DUCK CREEK 364-34

Location: 0539 FNL 2160 FWL QTR NENW SEC 34 TWNP 080S RNG 210E MER S

Company Permit Issued to: EOG RESOURCES, INC.

Date Original Permit Issued: 11/21/2011

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☒ Yes ☐ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Kristen Sheehan

Date: 10/13/2015

Title: Assistant Regulatory **Representing:** EOG RESOURCES, INC.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU9613
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: EOG RESOURCES, INC.		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 600 17th Street Ste 1000N , Denver, CO, 80202		8. WELL NAME and NUMBER: N DUCK CREEK 364-34
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0539 FNL 2160 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 34 Township: 08.0S Range: 21.0E Meridian: S		9. API NUMBER: 43047521790000
PHONE NUMBER: 435 781-9111 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: Uintah		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/8/2016	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER:
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 EOG Resources, Inc. respectfully requests the APD for the referenced well be extended for one year.

Approved by the
 November 08, 2016
 Oil, Gas and Mining

Date: _____

By:

NAME (PLEASE PRINT) Kaylene Gardner	PHONE NUMBER 435 781-9111	TITLE Regulatory Administrator
SIGNATURE N/A	DATE 11/8/2016	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047521790000

API: 43047521790000

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- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Kaylene Gardner

Date: 11/8/2016

Title: Regulatory Administrator **Representing:** EOG RESOURCES, INC.